

Technical Data Sheet

## Lucent Pa G66-13

Polyamide 66  
LyondellBasell Industries  
Engineering Plastics

### Product Description

13% Glass Fiber Reinforced, Nylon 66

Colors Available  
Add "H" for Heat Stabilized  
Add "HU" for Weatherable  
Typical Properties, Dry as Molded

### General

|                        |                                     |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 13% Filler by Weight |
| Appearance             | • Colors Available                  |

| Physical                          | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|-----------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity        | 1.23                    | 1.23 g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                        | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength (Yield)          | 14500 psi               | 100 MPa                | ASTM D638   |
| Tensile Elongation (Break)        | 3.0 %                   | 3.0 %                  | ASTM D638   |
| Flexural Modulus                  | 650000 psi              | 4480 MPa               | ASTM D790   |
| Flexural Strength                 | 23000 psi               | 159 MPa                | ASTM D790   |
| Impact                            | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact               |                         |                        | ASTM D256   |
| 73°F (23°C), 0.125 In (3.18 Mm)   | 0.70 ft·lb/in           | 37 J/m                 |             |
| Thermal                           | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load |                         |                        | ASTM D648   |
| 264 Psi (1.8 Mpa), Unannealed     | 450 °F                  | 232 °C                 |             |
| Peak Melting Temperature          | 482 to 509 °F           | 250 to 265 °C          | ASTM D789   |

### Notes

These are typical property values not to be construed as specification limits.